

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 11/09/2021 08:57 AM
Cytometer Baseline: 06/17/2021 10:50 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 12757 **Expiration Date:** 06/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124718	-1	1.18	124630	1.17
Blue	F	SSC	125000	121733	-3	2.36	122057	2.26
Blue	E	FITC	13131	12797	-3	2.23	296	15.11
Blue	D	PE	24112	23832	-2	1.65	546	10.53
Blue	B	PerCP-Cy5-5	31295	30544	-3	3.03	1013	14.30
Blue	A	PE-Cy7	19939	19595	-2	5.16	525	28.76
Red	C	APC	42122	41160	-3	2.91	1732	11.39
Red	A	APC-Cy7	22340	21732	-3	3.30	814	11.66
Violet	B	V450	7410	6984	-6	3.42	426	12.53
Violet	A	V500	28118	26891	-5	2.97	672	9.72

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23142	1.48	565	-4	N/A	N/A	Pass
Blue	F	SSC	56824	0.95	517	5	N/A	N/A	Pass
Blue	E	FITC	54	54.62	484	-3	0.0467	168	Pass
Blue	D	PE	114	37.06	487	-1	0.4754	372	Pass
Blue	B	PerCP-Cy5-5	188	35.08	582	-4	0.0205	55	Pass
Blue	A	PE-Cy7	104	67.02	624	-4	0.0224	0	Pass
Red	C	APC	400	23.72	578	2	0.0275	150	Pass
Red	A	APC-Cy7	182	27.05	553	2	0.0062	793	Pass
Violet	B	V450	60	64.25	461	8	0.0627	2470	Pass
Violet	A	V500	97	35.15	473	8	0.0273	1066	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.63	-31.39	1.00
Blue	20.36	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.44
Red	14.97	13.60 - 20.40	N/A	N/A	29.83	29.99	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 16452

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments